

# Block Grant Funding of Marina Programs



# Block Grant Funds Can Be Used For

- Used oil and filter collection.
- Bilge pumpout.
- Bilge pad distribution and collection.
- Publicity and premiums.
- Educational materials: Boater kits, signs and pamphlets
- Dockwalkers.
- Best management practices for marina operators.

# Players

- CA Coastal Commission
- CA Dept. Boating and Waterways
- CA Dept Fish and Game
- CA Dept of Parks and Rec
- Earth 911 Clean Boating info
- NCBC
- USCG & USCG Auxiliary
- USFS
- Local Agencies

# Standard BG Provisions

- “Funded by a Grant From...”
- Specific recycling/disposal info
- List of Collection Centers or website/phone
- RCP Verification Form
- “Zero Waste...”
- Written approval



# Written Grant Manager Approval:

- Premium items costing more than \$6
- Television, video and radio scripts
- Equipment, vehicles and trailers
- Planning, background and feasibility studies
- Overtime costs
- Lack of space for CIWMB acknowledgement
- Exception to RCP



# Infrastructure and Operations

- In El Dorado County there are 7 lakes that receive a significant amount of recreational boating (>50 boats launched per peak day)
- In the EDC portion of Lake Tahoe there are 7 active marinas.
- At all marinas infrastructure was funded by Opportunity grants.
- Ongoing operations funded by Block grants +

# Clean Boating Kit

- First kit included: bucket, absorbent pad, absorbent pillow, floating key chain, ski flag, brochure, plastic bag, laminated card and towel.
- Initial cost per kit: \$9.91  
2<sup>nd</sup> phase \$8.63, Folsom \$5.49
- Staff time to assemble and distribute.



Buckets \$2.72 each  
8 qt. 75%+ Recycled Plastic





Flags \$1.50 each



Funnels \$0.73



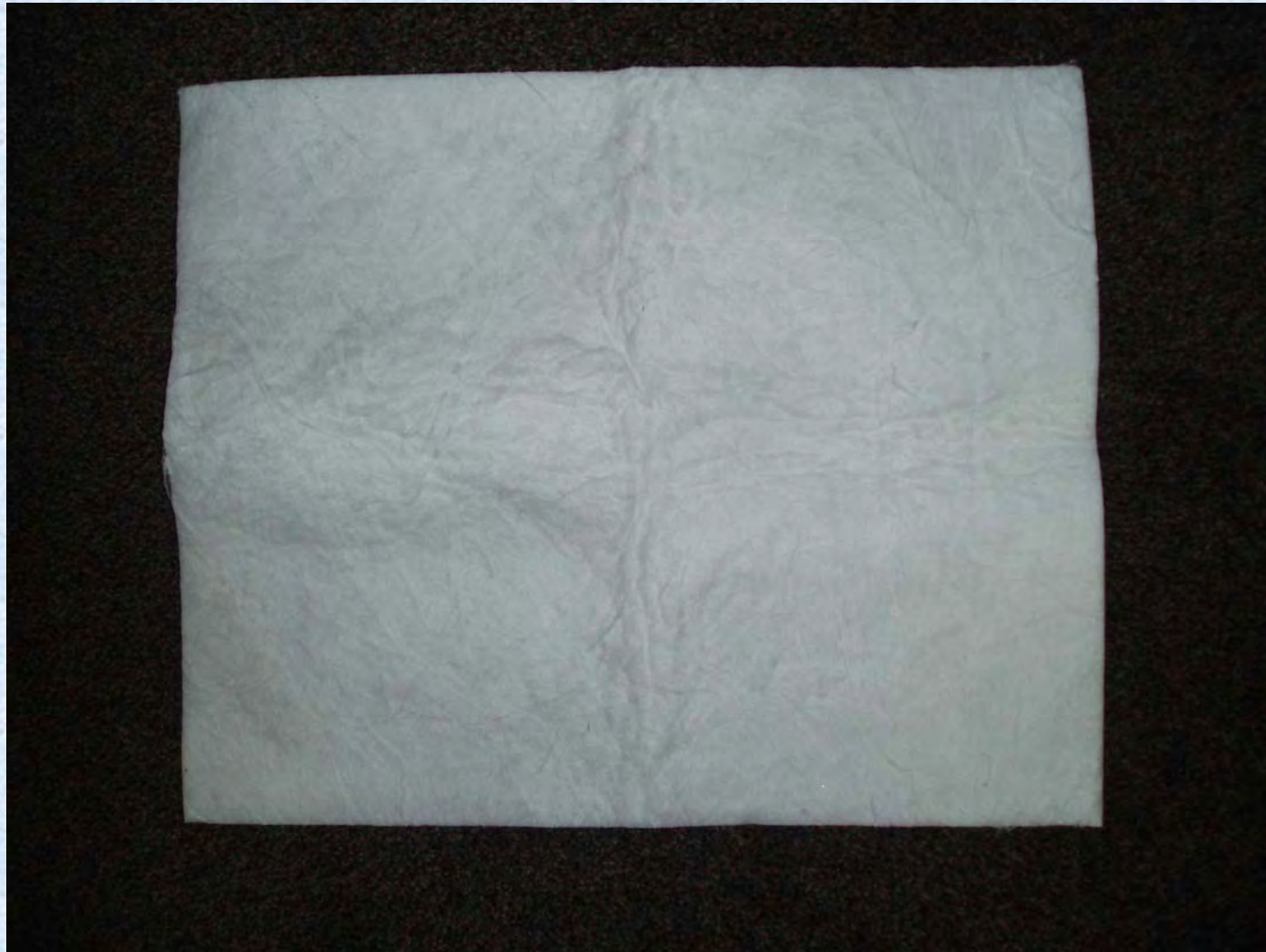


Key Chain \$0.74 + 0.05



# Absorbent Pads \$0.18

## 17" x 19"





# Absorbent Pillow \$1.50

8" x 11"



Towel \$2.70





# Storage of Supplies

- Storage space is needed for thousands of buckets, bales of absorbent and all other kit components.
- SLT City airport hangar.
- Storage container for Folsom \$3,800 (22'), EDC \$6,700 (40') and rented \$100/mo (20').
- Storage building \$250,000



# Saturated Absorbent Collection

- Hazmat Storage Sheds \$4,400
- Drums inside units or in service shops.





# **ABSORBENT PAD COLLECTION FACILITY**

## **Deposit Saturated Oil Absorbent into Slot**

**No Other Hazardous or Solid Wastes Accepted  
EDC Ordinance Code Chapter 8.38. Facility Operated by  
Echo Chalet and**

**EDC ENVIRONMENTAL MANAGEMENT DEPARTMENT**

**530-621-5300 [www.co.el-dorado.ca.us/emd](http://www.co.el-dorado.ca.us/emd)**

**Funded by a grant from California Integrated Waste Management Board**





# Used Oil Collection

- At some of the facilities pads and oil are collected drums in shop areas, at others we have small sheds and ASTs (\$10k).
- Saturated Absorbent Disposal cost \$270/dm





# Advertising and Outreach

- Advertise Special Events and Collection Centers via Newspaper, Radio, Programs.
- Develop and Distribute Flyers.
- Conduct Outreach Events with Other Events (\$ staff time)
- Conduct Surveys (survey card \$0.14)
- Signs on Message Boards and Storage Facilities
- Theater Ad (\$285/month)
- Billboard (\$1,200/month)





Original Logo

**OIL & WATER  
DON'T MIX**



**RECYCLE  
USED OIL**

Hybrid of  
Department Logo

# Theater Advertisement

## CONTROL BILGE WASTE OIL



Obtain Oil Absorbent Pillow



Place Pillow in Bilge



Deposit Used Pillow in Collection Unit

THANK YOU EL DORADO COUNTY RESIDENTS  
EDC ENVIRONMENTAL MANAGEMENT 621-5300 [www.co.el-dorado.ca.us](http://www.co.el-dorado.ca.us)



# Billboard on Hwy 50



## ENJOY CLEAN BOATING

## CONTROL BILGE OIL

CALL 1-800-CLEANUP OR VISIT [WWW.CO.ELDORADO.CA.US/EMD](http://WWW.CO.ELDORADO.CA.US/EMD) FOR MORE INFO

FUNDED BY A GRANT  
FROM CALIFORNIA  
INTEGRATED WASTE  
MANAGEMENT BOARD







# KEEP FOLSOM LAKE CLEAN!

## FREE!

Get your FREE Bilge Oil Clean Up Kit at Folsom Lake Marina

Folsom Lake Marina is offering free bilge oil kits to assist water recreation users with the prevention of oil discharges into Folsom Lake. Oil can get into the bilge in a number of ways.

The bilge absorbent helps keep our lakes and rivers clean and free from oily contamination. The kit comes complete with an oil absorbent pillow (that is placed in your boat bilge) and a full-sized bucket (for transporting the used absorbent back to the Folsom Lake Marina Snack Bar.

Pick yours up today!



OIL ONLY SPONGE



You may pick up your FREE Bilge Oil Cleanup Kit at Folsom Lake Marina Snack Bar off Green Valley Road between Francisco Drive and Harmon Island Drive.



For more information log on to:  
[www.FolsomLakeMarina.com](http://www.FolsomLakeMarina.com)



FOLSOM LAKE  
WATER RECREATION AREA

Funded by a Grant from the California Integrated Waste Management Board.

This program is sponsored by the El Dorado County Environmental Management Department, City of Folsom Public Works Department, Folsom Lake Marina and the Folsom Lake Recreation Area.

- Sign placed near launch ramps at Folsom and Echo Lakes

# Laminated Card and Educational Brochure

- During the first few years a laminated card and a letter were distributed. These items contained a diagram of Lake Tahoe with the participating marinas, general lake info, absorbent use instructions and a list of certified used oil collection centers.
- Later single page, single and double fold paper brochures for Folsom and EDC marinas.

- SECOND PHASE
- Don't Top Off
- Use a Funnel
- No Detergent
- Use Absorbents
- Recycle Oil & Filters
- Collection Facility List
- Hazards of Oil Release
- Minimize Wakes

Our Goal  
Is **Cle a r**:

Preventing  
Pollution from  
Bilge Waste Oil &  
Promoting Clean  
Boating  
Practices!



El Dorado County  
Used Oil Recycling Program



Funded by a grant from the California  
Integrated Waste Management Board



Did you know that...

- ♦ One gallon of used oil can contaminate one million gallons of fresh water. Even one quart, when spilled, can cover up to 2 acres of the water's surface.
- ♦ When used oil is pumped from a bilge into a lake it harms the lake's ecosystem and impacts water supplies for everyone !! There are numerous drinking water intakes along the American River from Strawberry to the San Francisco Bay. Lake Tahoe is a National treasure that you can help protect.

**Practice clean boating every time  
you go out on the water!**

H<sub>2</sub>O

- ♦ Using detergents to disperse petroleum spills is only a cosmetic treatment. Oil/detergent mixtures are harmful to fish & other aquatic life.
- ♦ Trash can harm wildlife and make a beautiful lake look ugly. Avoid letting trash blow overboard. Stow it and properly dispose/recycle when back on shore.
- ♦ The discharge of oil causing discoloration or leaving a film or sheen on the water is prohibited by federal law.
- ♦ Excessive boat wakes can contribute to shoreline erosion and degrade water quality.

## Controlling Bilge Oil Pollution is as Easy as 1-2-3

### Step 1:

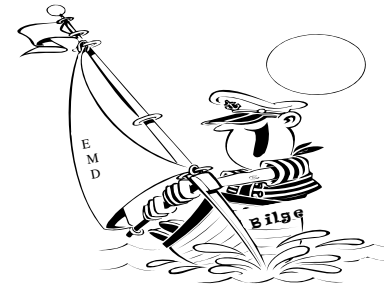
Obtain a free "Clean Boating Kit" during our outreach events or obtain an absorbent pad from the marina operator.

### Step 2:

Secure the bilge pillow (oil absorbent pillow) in your bilge area. Check the pillow to ensure that it does not block the bilge pump or sensor.

### Step 3:

When the bilge pad is saturated (i.e., it no longer absorbs oil & there is new oil in the bilge water) place it in a plastic bag or the "Clean Boating Bucket" provided. Take it to the receptacle at the marina for safe disposal.



**Remember:**

**Oil & Water Don't Mix  
Recycle Used Oil & Filters**

Call 1-800-CLEANUP  
for the nearest location of a Used Oil &  
Filter Collection Center

**You Can Play an  
Important Part in  
Clean Boating**

- ♦ **BE AN EXAMPLE TO OTHERS:** By being a "Clean Boater" other boating enthusiasts may follow your lead.
- ♦ Prevent gas spills by not **TOPPING OFF** your fuel tank. Skim spills with absorbents.
- ♦ Use a **FUNNEL** to add oil to your engines. Wipe up any spills.
- ♦ **RECYCLE** your used oil and filters.
- ♦ Don't use **SOAP** or **DETERGENT** to disperse spills. They simply make the oil water soluble.
- ♦ Use **ABSORBENTS** to skim oil off the water in your bilge. The following marinas can provide you with absorbent pads and will accept saturated absorbents for disposal.

**On the West Slope:**

- > Echo Lake
- > Ice House Reservoir
- > Union Valley Reservoir
- > Sly Park/Jenkinson Lake
- > Folsom at Browns Ravine

**In Tahoe:**

- > El Dorado Boat Ramp
- > Camp Richardson
- > Fallen Leaf Lake Marina
- > Lakeside Marina
- > Meeks Bay Marina
- > Tahoe Keys Marina
- > Timber Cove Marina

Sponsored by El Dorado County  
Environmental Management Department  
530-573-3450—Tahoe  
530-621-5300—Placerville  
[www.co.el-dorado.ca.us/emd](http://www.co.el-dorado.ca.us/emd)



**FREE FOR CITY OF FOLSOM  
RESIDENTS - DOOR TO  
DOOR COLLECTION OF  
USED OIL AND A FEW  
OTHER HHW ITEMS**

**The City of Folsom will pickup some household hazardous wastes from your residence. We will pickup ONLY, used motor oil, oil filters, antifreeze, latex paint, automobile and motorcycle batteries (lead acid), and nickel-cadmium batteries.**

**Call the City of Folsom Hotline at (916) 355-8397 to schedule collection. Please follow the instructions on the Hotline.**



**For information  
about recycling  
of used oil or  
disposing of  
household  
hazardous  
waste in the**



**Sacramento/El Dorado Region  
call:  
1-800-CLEANUP**

**THE FOLLOWING CERTIFIED USED  
OIL COLLECTION CENTERS ACCEPT  
YOUR USED OIL AND FILTERS FREE  
OF CHARGE AND OFFER YOU \$0.04  
PER QUART FOR YOUR USED OIL  
DURING WORKING HOURS:**

**SpeedDee Oil  
Change & Tune Up  
6604 Folsom-  
Auburn Road  
(916) 988-0531**

**Jiffy Lube  
709 East Bidwell  
Street  
(no filters)  
(916) 983-1960**

**Folsom Automotive  
Center  
915 Bidwell Street  
(916) 985-3455**

**Kragen Auto Parts  
1191 Riley Street  
(916) 983-9884**

**Folsom Lake Ford  
12755 Folsom  
Boulevard  
(916) 353-2040**

**You can transport up to 20 gallons  
per day in containers of 5 gallons or  
less.**

**Changing oil (by individual boat owners) is not  
allowed in the Folsom Lake Recreation Area.**

## **CONTROL YOUR BOAT BILGE OIL**



## **AT FOLSOM LAKE**

**IT'S EASY  
IT'S FREE**

**OUR GOAL IS CLEAR!!**

**This Program is sponsored by the El Dorado County  
Environmental Management Department, City of Folsom  
Public Works Department, Folsom Lake Marina, and the  
Folsom Lake Recreation Area.**



**Funded by a grant from the  
California Integrated Waste  
Management Board.**



♻️ Printed on Recycled Paper



One gallon of used oil can contaminate one million gallons of fresh water.

When used oil enters Folsom Lake through boat bilge pumping, it harms the Lake's ecosystem and impacts water supplies for everyone downstream!!! There are 9 drinking water intakes between Folsom lake and the San Francisco Bay.

Control your bilge Oil with  
**OUR free  
BILGE OIL  
KITS...  
ITS EASY!!!**



## HOW CAN YOU CONTROL YOUR BILGE OIL?



ITS AS EASY...

as 1-2-3

### STEP 1

Go to the Folsom Lake Marina Snack bar and get your free bilge absorbent kit.

### STEP 2

Place the bilge pillow (oil absorbent pillow) in your engine bilge. Always check the pillow to ensure that it does not block the bilge pump or sensor.

### STEP 3

When the bilge pad is saturated (e.g., it no longer absorbs oil and there is new oil in the bilge water) place it in the bucket provided. Then take it to the Folsom Lake Marina Snack Bar and get a new bilge pillow.

## THE GOAL IS CLEAR!



## A CLEANER FOLSOM LAKE!!!!

### CLEAN BOATING MEANS:

- ⚙ Never dump raw sewage into the lake Use floating potties, public toilets, and the Marina pump-out facility.
- ⚙ Think ahead! DON'T LET LITTER GET AWAY!!!!
- ⚙ Use as little soap as possible or if you must use soap use low phosphate soap.
- ⚙ Prevent fuel spills by only filling your tank to 95% full.
- ⚙ Eliminate oil discharges into the lake. Use our bilge oil kit. Always funnel oil into your engines. Wipe away spilled or leaking oil before heading out into open water.



# Public Outreach Events

- Schedule events to coincide with existing events.
- Department staff and volunteers from other agencies and the Coast Guard Reservists
- Staff costs average \$200/person/day/event



# Survey Content

- What type of boat do you own?
- Do you change your own boat motor oil?
- If not, where does your oil get changed?
- How do you dispose of the waste oil?
- What do you do if oil gets into your bilge?





# Cost Effective Staffing – Summer Intern



# Transportation and Consolidation

- 18' flatbed  
\$32,000.  
Funding from  
HD6.
- Permitted by  
DTSC.
- Hazmat  
driver's  
license.





# Bilge Pump Out Equipment

- Initial cost estimates vs actual cost (\$5,000-\$30,000)
- Space limitations
- Installation/Maintenance
- Operation
- Effluent analysis





# Sustainability

- Infrastructure is in place for all EDC Marinas - Tahoe, Fallen Leaf, Folsom, Echo, Jenkinson, Union Valley and Ice House lakes.
- Estimate of ongoing costs to continue program at current level is \$20k/year plus staff time. Funds to come from block grants and HHW Budget (property tax assessment \$3/parcel/year).
- We will be submitting a grant application (HD13) for funds to construct shed for protection of bilge pump out unit at Ski Run Marina.

